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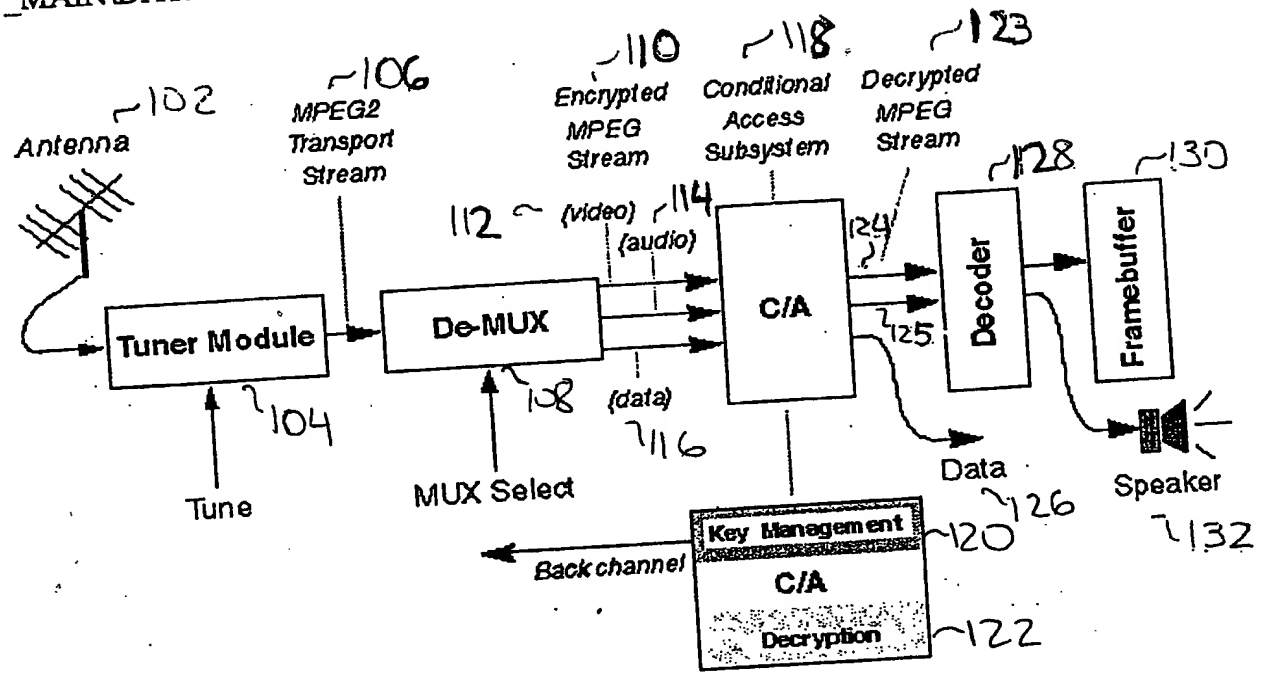


FIG. 1

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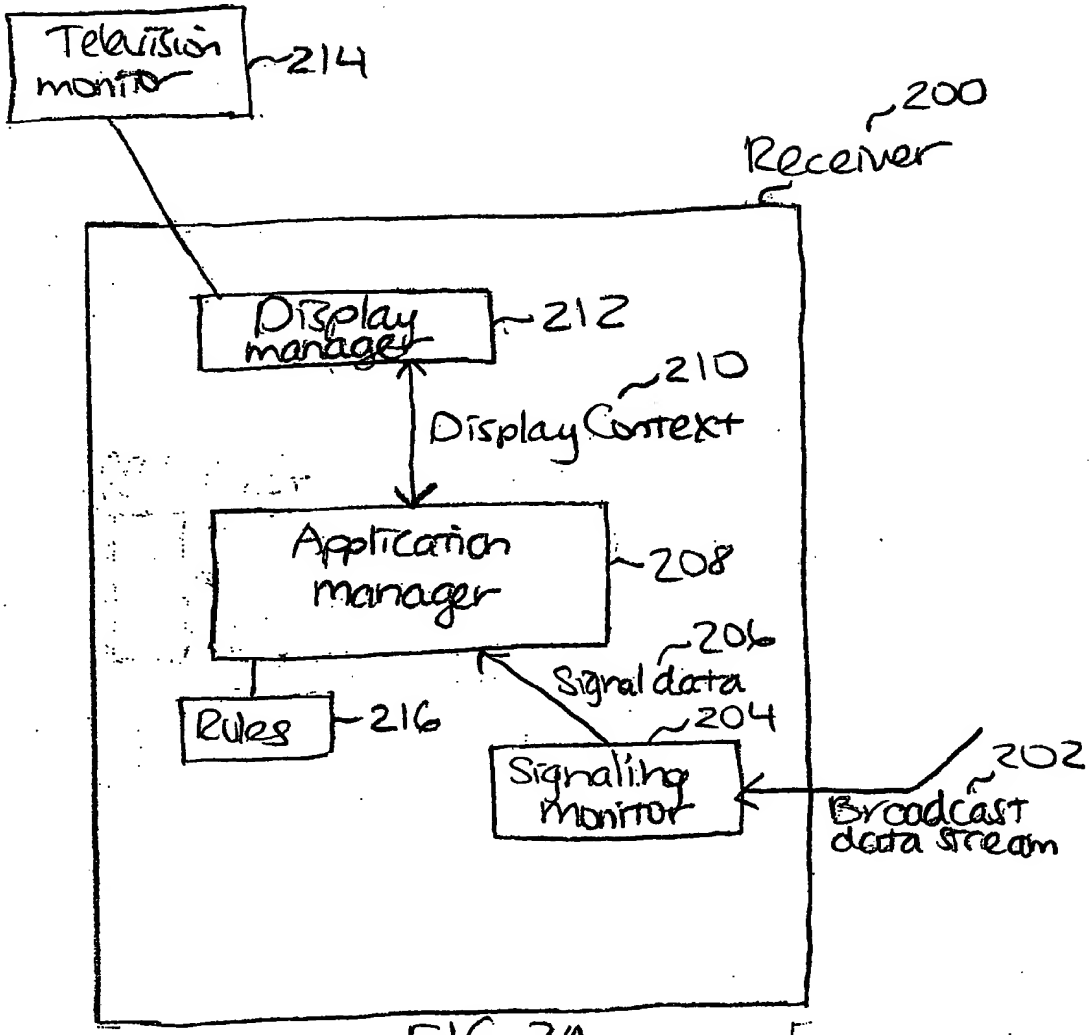


FIG. 2A

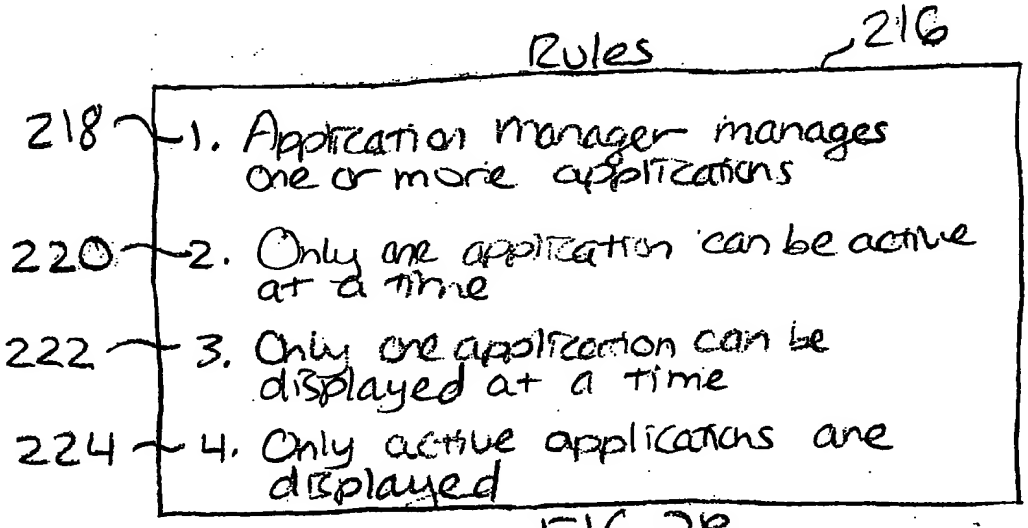


FIG. 2B

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Signal Data ~302

| | |
|---|---|
| App-present-in-data-stream: BOOLEAN | ~304 |
| Location (e.g., directory, filename) | ~306 |
| Authentication ~308 | |
| Permissions ~310 | |

FIG. 3

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3.0500

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FIG. 4A

Application Context ~404

| | |
|---|---|
| Class loader identifier | 406 |
| Signal data identifier | 408 |
| Display context identifier | 410 |
| Application identifier | 412 |
| Application environment Object | 414 |
| Current application state | 416 |

FIG. 4B

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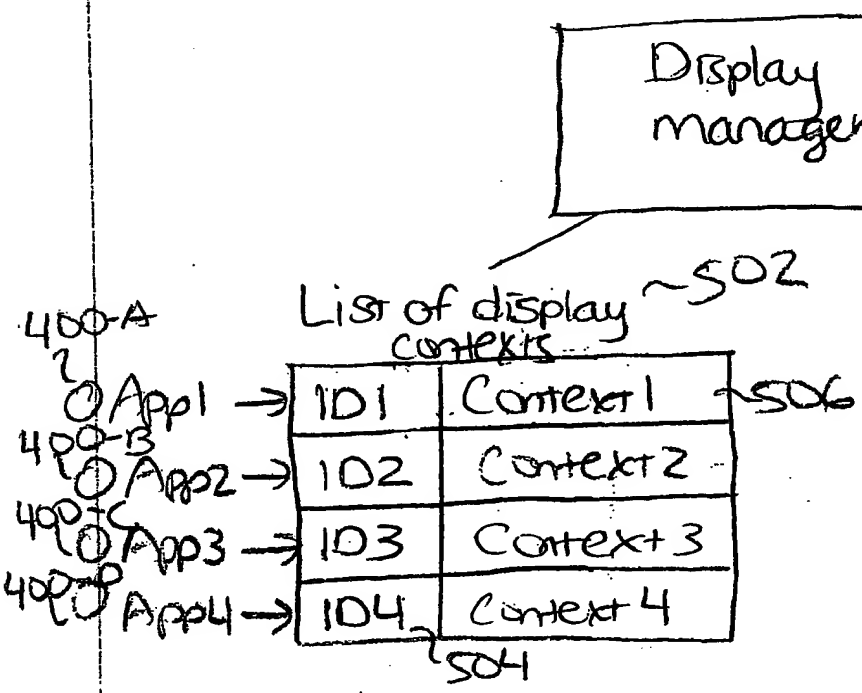


FIG. 5A

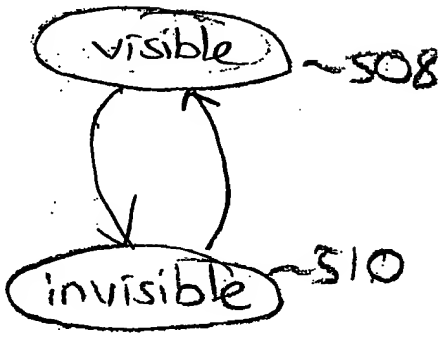


FIG. 5B

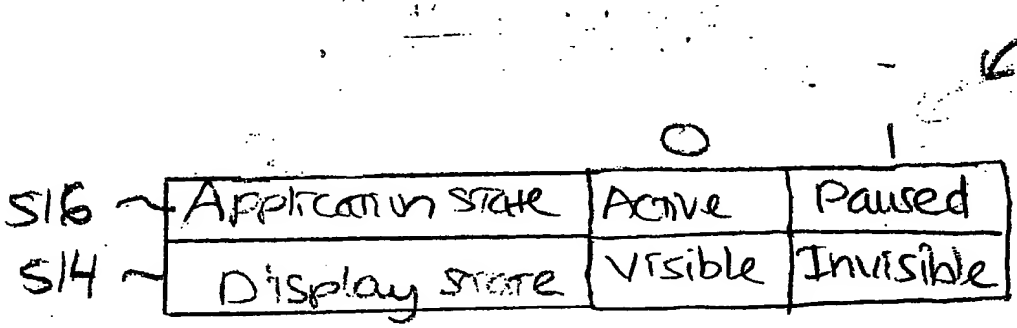


FIG. 5C

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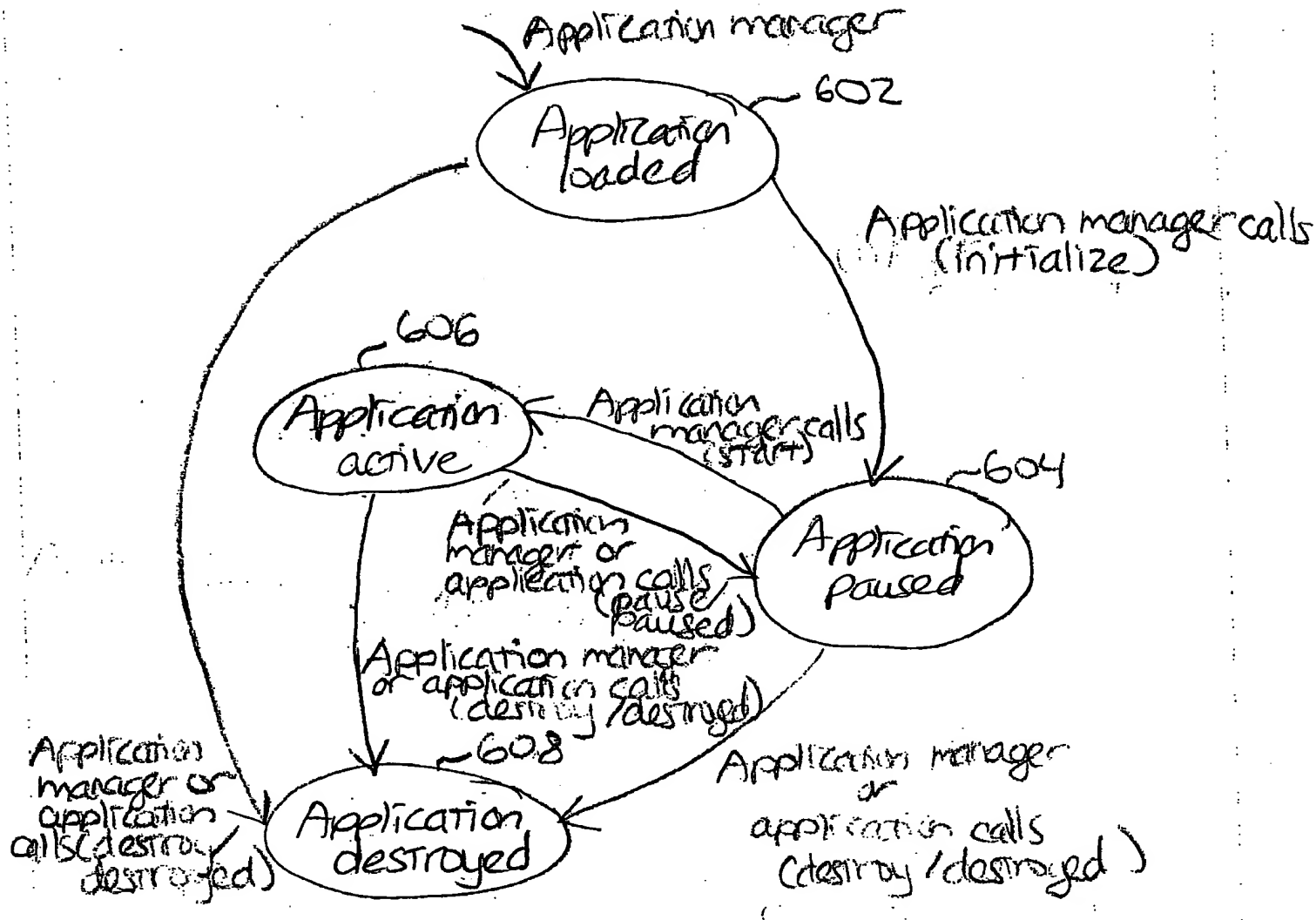


FIG. 6

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Application Programming Interface (API)

~ 702

Interface application {

~ 706

704 ~ public void init application (Application environment env);
708 ~ public void start application();
710 ~ public void pause application();
712 ~ public void destroy application (boolean unconditional);

~ 714

}

to Drawing Sheet

FIG. 7

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ApplicationEnvironmentInterface

```
                                        ~802
Interface Application-environment {
804 ~ public void destroyed ( );                          ~810
808 ~ public java.lang.obje + getProperty (String key)
806 ~ public void paused ( );
812 ~ public void resumeRequest ( );
}
```

FIG. 8

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36500

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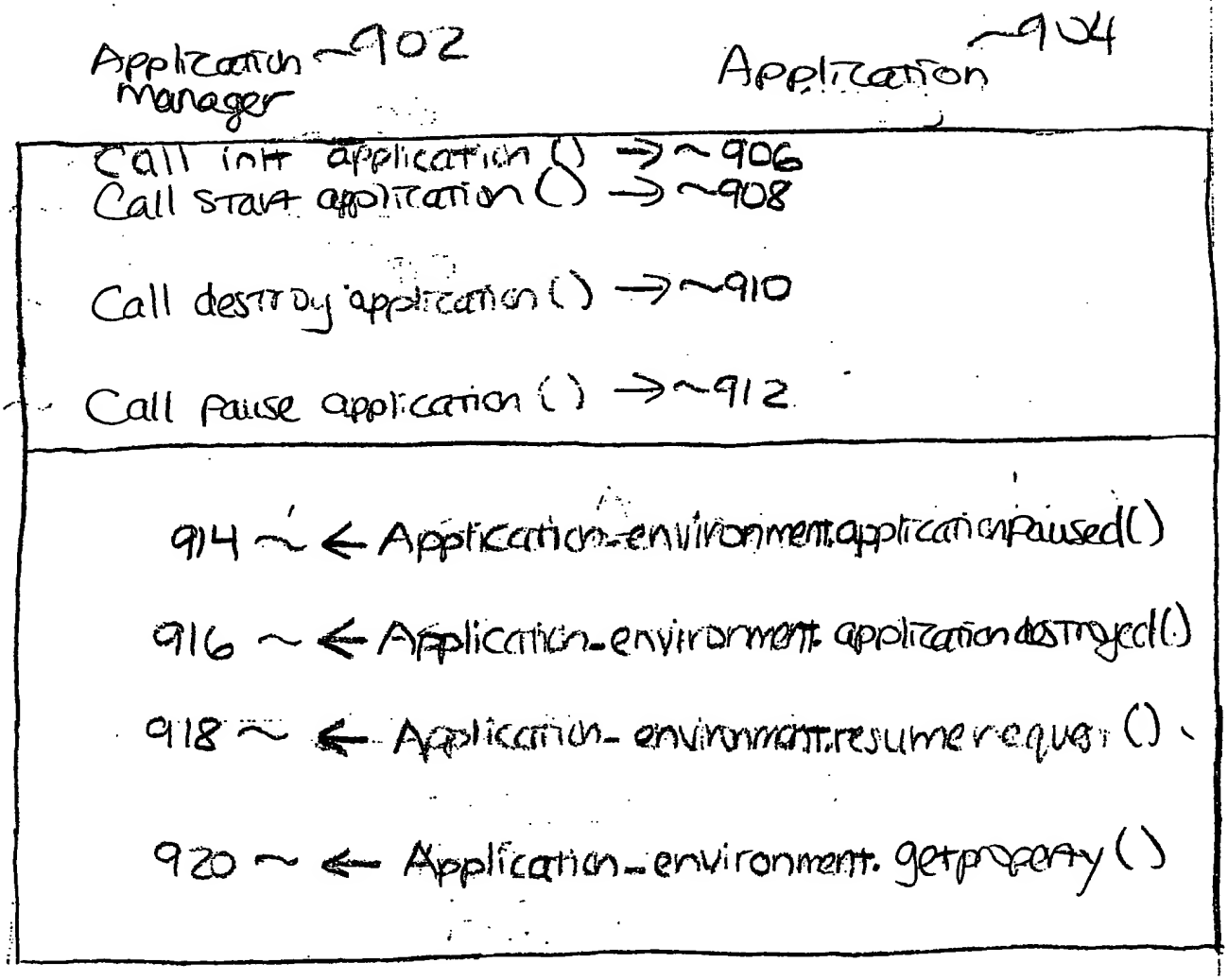


FIG. 9

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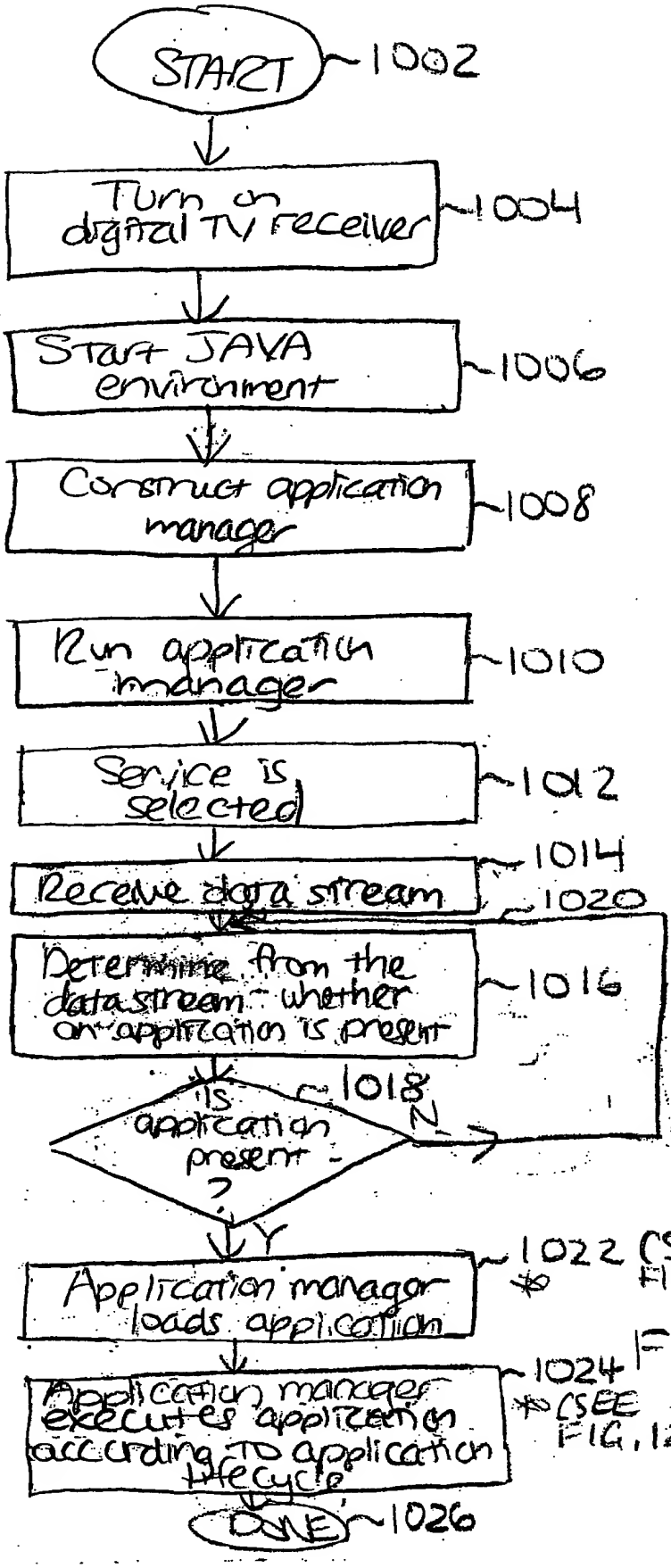


FIG. 10

TOPS
355003

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1022

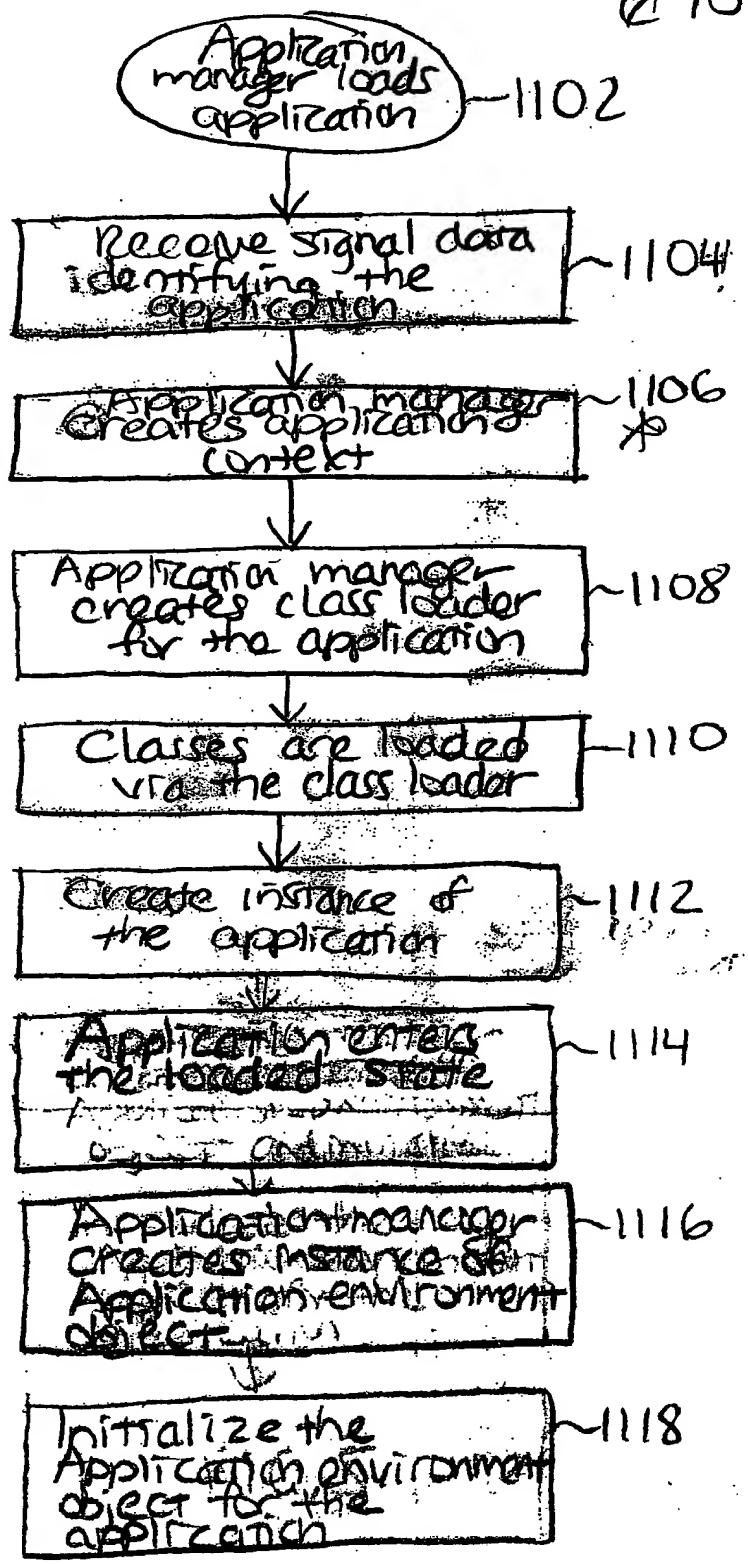


FIG. 11

TOPS 35500

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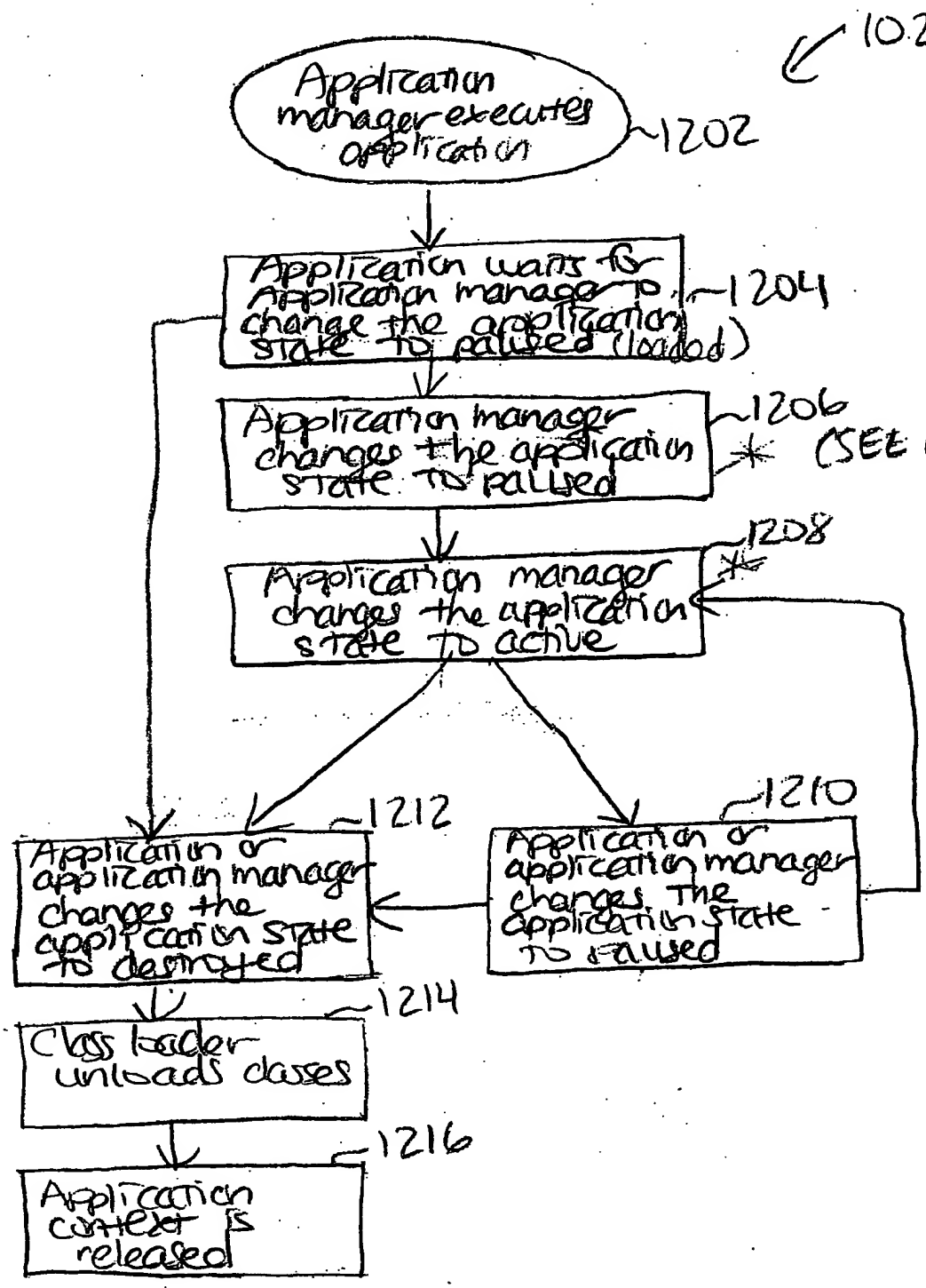


FIG. 12

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35500

U.S.P.T.O. JC42
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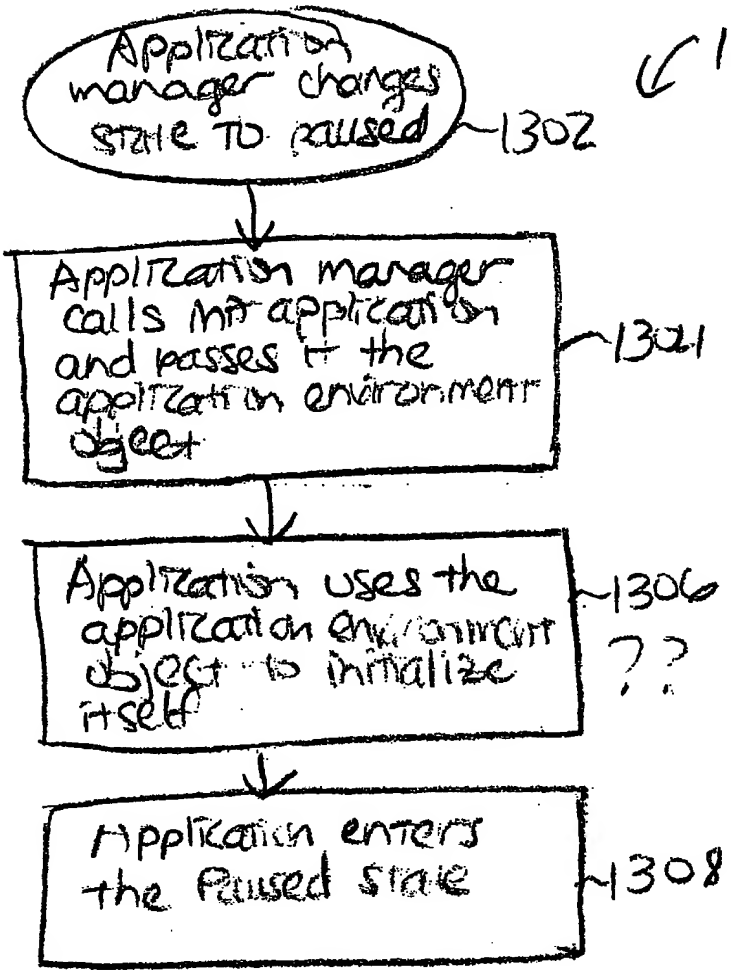


FIG. 13

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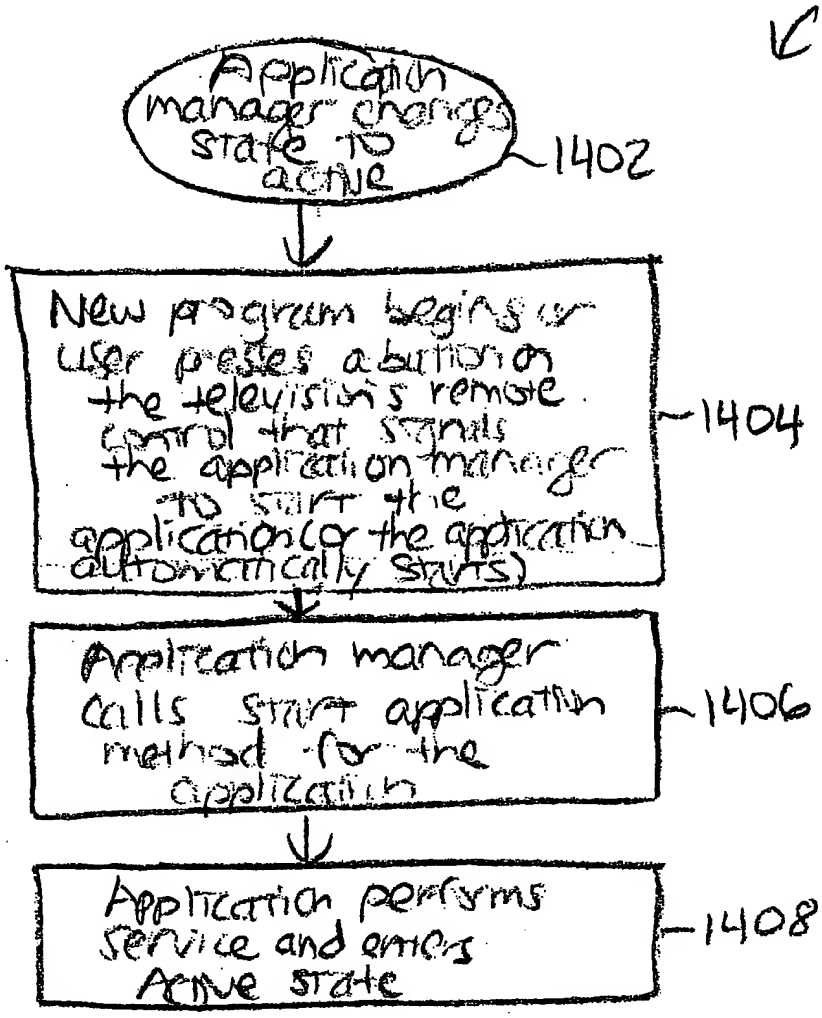


FIG. 14

OIPE JC
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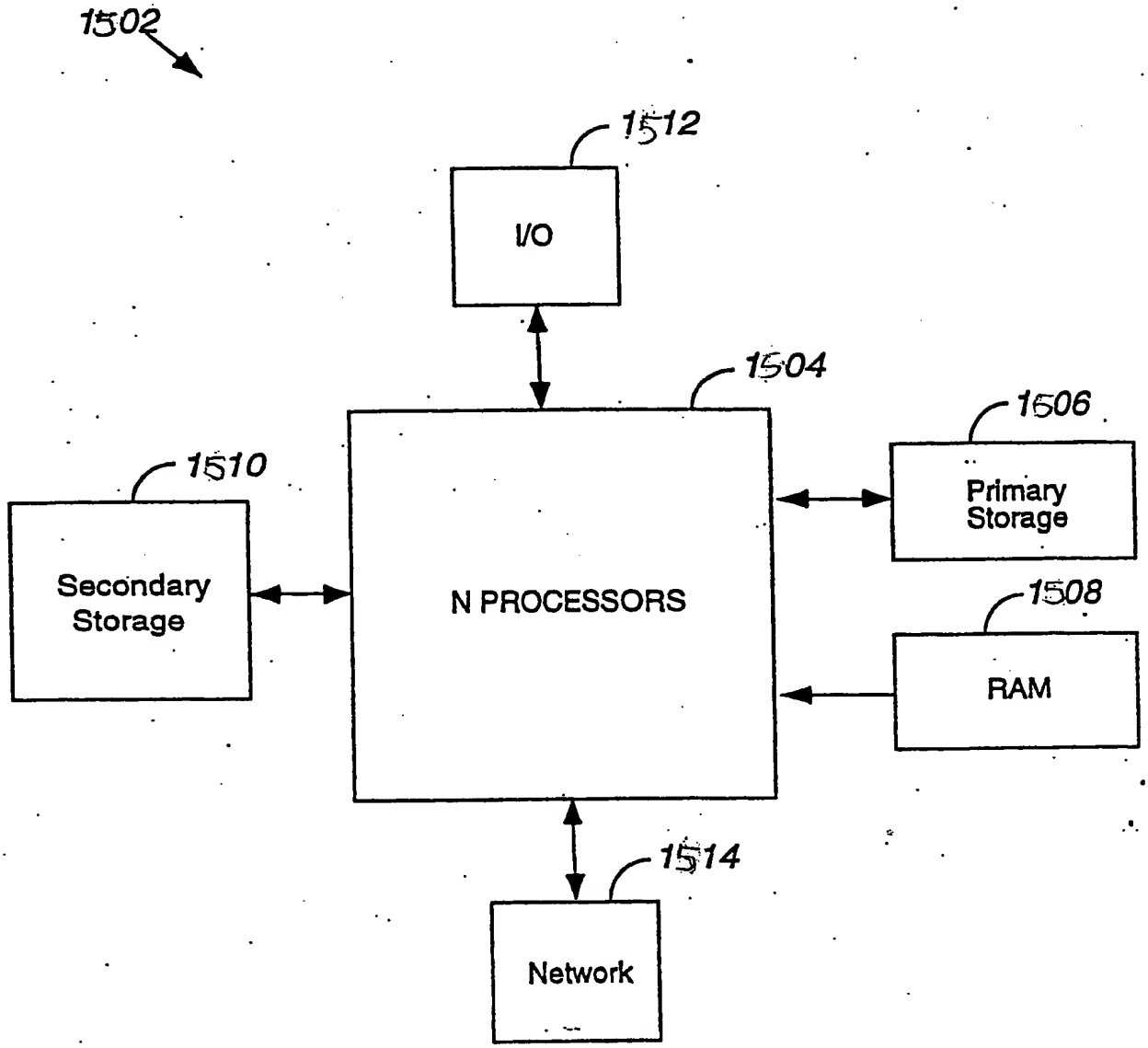


Figure 15